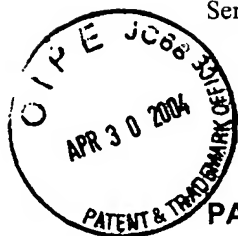


Serial No. 10/804411



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): David Garrett

Case: 12

Serial No.: 10/804411

Filing Date: March 19, 2004

Examiner:

Group Art Unit:

Title: Method Of Sphere Decoding With Low Complexity And
Good
Statistical Output

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

Copies of the listed documents are enclosed together with the search report that listed these documents.

NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,

Martin I. Finston, Attorney

Reg. No. 31613

908-582-2908

Date: 4/27/04

Docket Administrator (Room 3J-219)

Lucent Technologies Inc.

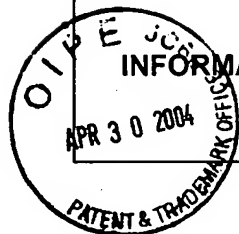
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I hereby certify that this correspondence is being deposited with the United States Postal Service in first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20531-0001.

4/27/2004. ALEXANDRIA, VA 22313-1450

April 27, 2004



INFORMATION DISCLOSURE STATEMENT

Case Name. D. Garrett 12
 Serial No. 10/804411
 Applicant: D. Garrett, et al.
 Filing Date: March 19, 2004
 Group:

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	AA	U.S. Patent App. Ser. No. 10/389,390		Davis et al.			3/15/2003

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation

OTHER (including Author, Title, Date, Pertinent Pages, etc.)

	AB	David Garrett, Linda Davis, Stephan ten Brink, and Bert Hochwald, "APP Processing for High Performance MIMO Systems," In Proc. Custom Integrated Circuits Conference, Sept. 2003, pp. 271-274.
	AC	David Garrett, Lina Davis, Stephan ten Brink, and Bert Hochwald, "Silicon Complexity for Maximum Likelihood MIMO Detection using Spherical Decoding," to appear in IEEE Journal on Solid-State Circuits, Summer 2004.
	AD	Garrett, D.C., Davis, L.M., and Woodward, G.K., "19.2 Mbit/s 4 x 4 BLAST/MIMO detector with soft ML outputs," ELECTRONICS LETTERS, Vol. 39, No. 2, 23 RD January 2003,
	AE	Hochwald, B.M., ten Brink, S., "Achieving Near-Capacity on a Multiple-Antenna Channel," IEEE Transactions on Communications, Vol. 51, NO. 3, March 2003.

***References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.

***Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header

EXAMINER	DATE CONSIDERED

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant